Lecture No.	Description	Date	Lab topic	Reading
	Unit I—Introduction, Experimental Design, and Program Planning			
1	Introduction, Precision vs Accuracy; Uncertainty; Measurement vs Calculation vs Estimation; Significance Tests; Random/Stratifies Sampling Design,Fundamental Measurements: Position	***Mon, 11-Jun***		OFR 93-105; Streeter et al (1998) pp 444-456
2	Streamflow Measurement	***Tue, 12-Jun***		Streeter et al (1998) pp 456-486
LAB	Streamflow measurement: Velocity-Area: wading, moving boat	***Tue, 12-Jun***		Herschy (1999), Ch. 2
4	Surface water wrap-up, Begin sediment concepts	***Wed, 13-Jun***		Streeter et al (1998) pp 487-493
5	Sediment sampling--sampler principles	***Thu, 14-Jun***		
LAB	Sediment Sampling	***Thu, 14-Jun***	Point, EWI, automatic?, sample prep	
6	New directions in flow/sediment measurements, QA/QC, Uncertainty	***Fri, 15-Jun***		
7	Water Quality concepts	***Mon, 18-Jun***		
8	Water Quality Measurements	***Tue, 19-Jun***		
LAB	Water Quality Sampling	***Tue, 19-Jun***	Grab, Point (Kemmerer, etc), EWI, Multi-probe calibration and use, sample splitting, sample prep (filtering, preservation, etc)	
10	Wrap up Water Quality, GW concepts	***Wed, 20-Jun***		
11	GW measurements	***Thu, 21-Jun***		
LAB	GW measurements	***Thu, 21-Jun***	SW-GW interaction? Slug test? Dye test? QW sample?	
13	Course wrap up	***Thu, 21-Jun***		